

# DART SERVICE INSTRUCTION

TO AMEND INSTALLATION INSTRUCTIONS IIN-D350-636 REV. F OR EARLIER

REF. FAA STC: SR00646SE

REF. TCCA STC: SH99-7

REF. CAA AIRWORTHINESS APPROVAL NOTE: 28081, 28082

The D350-636-107 Cable Guard kit may be installed on D350-636-011/-013 Skidtube installations during hoisting operations to prevent damage to the cable and skidtube. The D350-636-107 Cable Guard Kit consists of the D350-636-107A Forward Cable Guard and the D350-636-107B Aft Cable Guard Kits. The D350-636-107A/-107B kits may be installed separately or in combination. See Figure 1 Sheet 2 for details.

The D350-636-107A Fwd Cable Guard Kit may be installed as follows:

- 1) Remove the forward 2x 350A41-1027-20 bolts (with OEM crosstubes installed) or 2x AN4-41A bolts and D3501-1 bushings (with Dart crosstubes installed) holding the forward LH saddle in place.
- 2) Insert the bolts or bolts and bushings through the holes provided in the D3928-1 bracket and reinstall per Aircraft Maintenance Manual or relevant STC.
- 3) Remove the aft 2x 350A41-1027-20 bolts (with OEM crosstubes installed) or 2x AN4-41A bolts and D3501-1 bushings (with Dart crosstubes installed) holding the forward LH saddle in place.
- 4) Insert the bolts or bolts and bushings through the holes provided in the D3928-1 bracket and reinstall per Aircraft Maintenance Manual or relevant STC.
- 5) Position the D3927-1 forward cable guard between the tangs of the D3928-1 bracket centered over the crosstube saddle and against the skidtube. Transfer drill 2x  $\phi$  0.257 holes from the D3928-1 bracket to the D3927-1 forward cable guard. Remove D3927-1 forward cable guard and deburr holes.
- 6) Install the D3927-1 forward cable guard into the brackets using the hardware as shown in Figure 2 Sheet 3.

The D350-636-107B Aft cable guard kit may be installed as follows:

- 1) Slide the D3927-3 aft cable guard over the outboard ground handling lugs on the LH skidtube.
- 2) Insert the BLBS-020 pip pin into the hole at the aft end of the D3927-3 cable guard to secure it in place. See Figure 3 Sheet 4 for details.

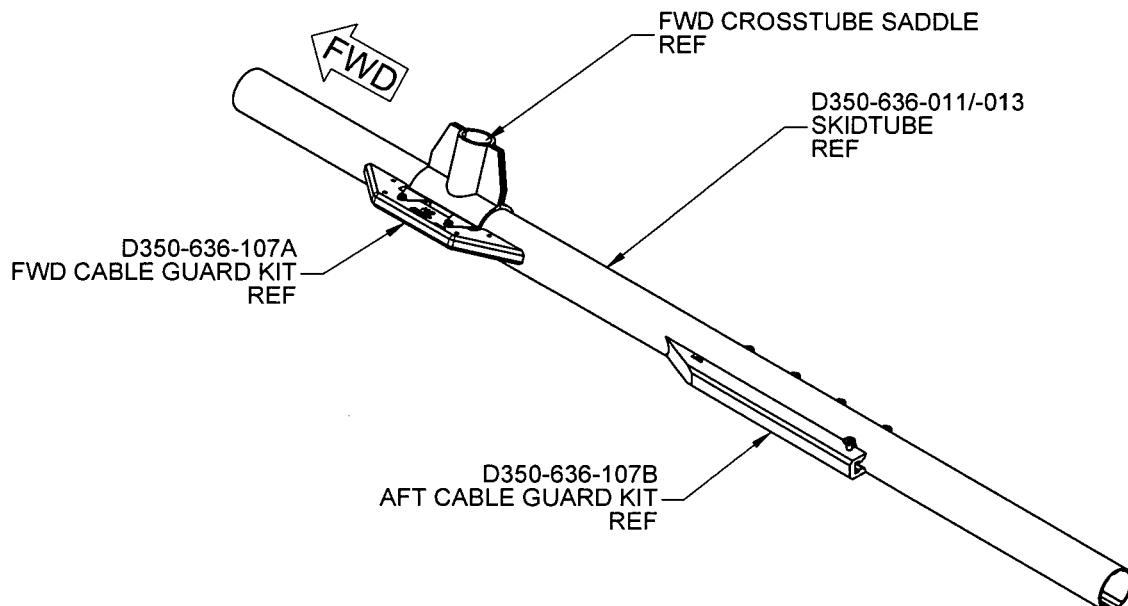
## WEIGHT AND BALANCE

Installation	Weight	Lateral		Longitudinal	
		Arm	Moment	Arm	Moment
D350-636-107 Cable Guard Kit	1.80 lb 0.82 kg	42.79 in 1.09 m	77.02 in-lb 0.89 m-kg	112.97 in 2.87 m	203.35 in-lb 2.35 m-kg
D350-636-107A Fwd Cable Guard	0.95 lb 0.43 kg	42.89 in 1.09 m	40.75 in-lb 0.47 m-kg	106.29 in 2.70 m	100.98 in-lb 1.16 m-kg
D350-636-107B Aft Cable Guard	0.85 lb 0.39 kg	42.19 in 1.07 m	35.86 in-lb 0.42 m-kg	137.48 in 3.49 m	116.86 in-lb 1.36 m-kg

A	NEW ISSUE	<i>AS</i>	09.04.01
REV.	DESCRIPTION	BY	DATE
DESIGN	<i>AS</i>	DART AEROSPACE USA, INC.	
DRAWN	<i>AS</i>	PORT HADLOCK, WA	
CHECKED	<i>PH</i>	DRAWING NO.	REV. A
MFG. APPR.	N/A	DSI 9457	SHEET 1 OF 4
APPROVED	<i>AS</i>	TITLE	SCALE
DE APPR.	<i>AS</i>	CABLE GUARD KITS	NTS
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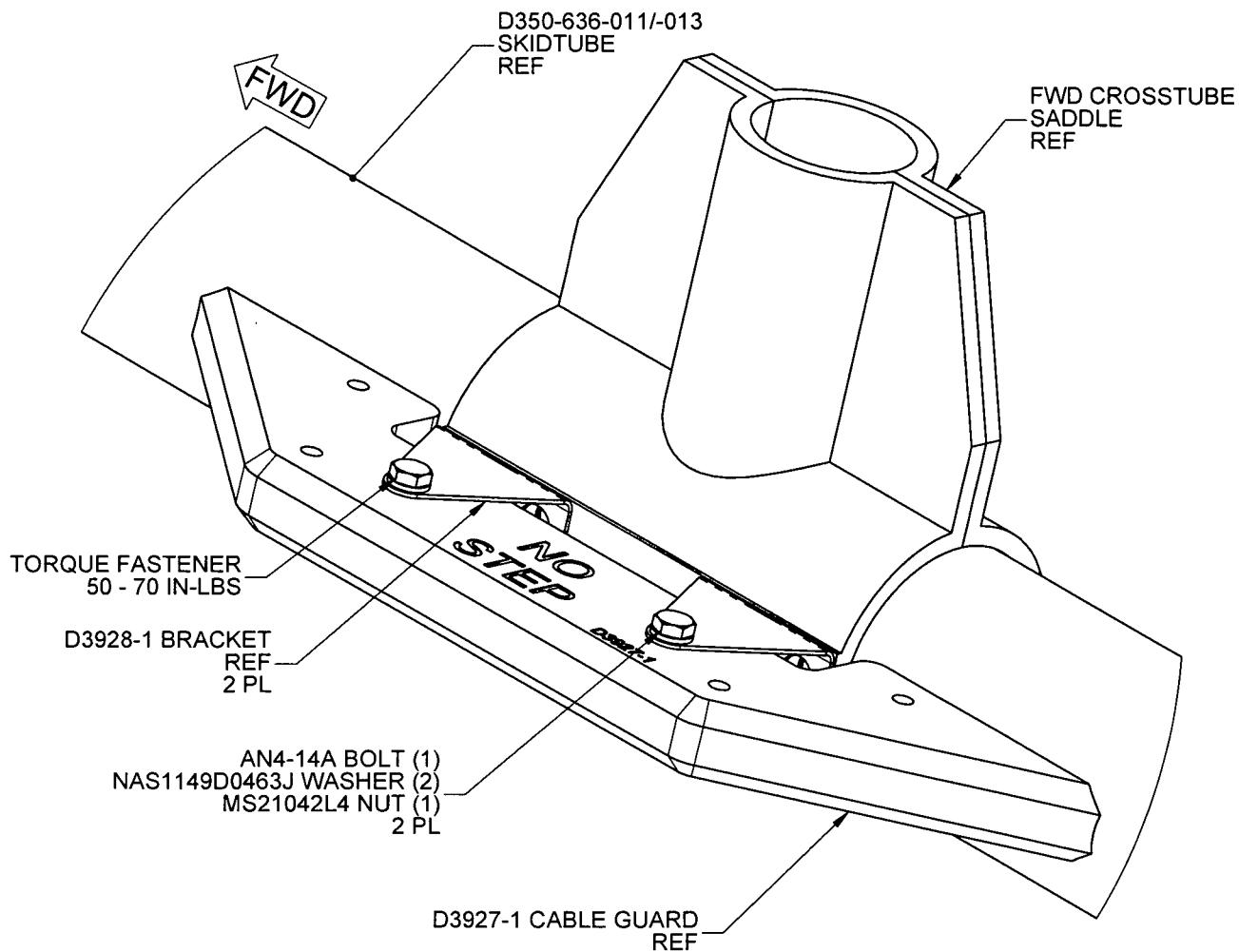
## PARTS LIST

QTY. -107	QTY. -107A	QTY. -107B	PART NUMBER	DESCRIPTION
X			D350-636-107	CABLE GUARD KIT
1	X		D350-636-107A	FORWARD CABLE GUARD KIT
1		X	D350-636-107B	AFT CABLE GUARD KIT
1			D3927-1	FORWARD CABLE GUARD
	1		D3927-3	AFT CABLE GUARD
2			D3928-1	BRACKET
2			AN4-14A	BOLT
	1		BLBS-020	PIP PIN
2			MS21042L4	NUT
4			NAS1149D0463J	WASHER



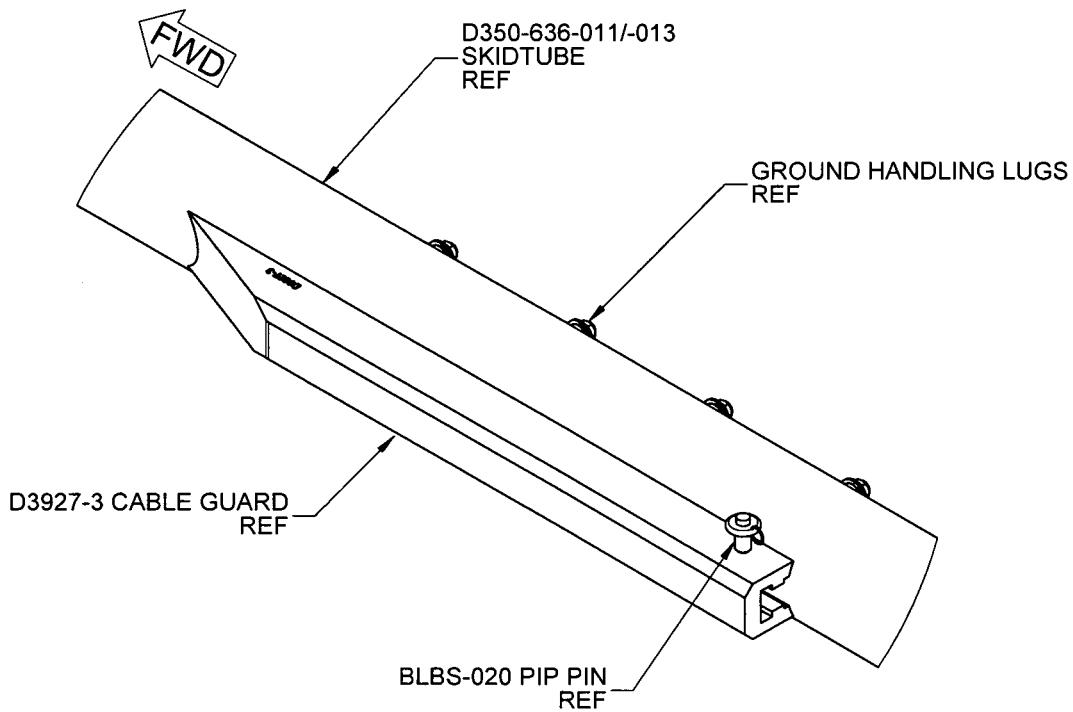
**FIGURE 1: D350-636-107 CABLE GUARD KIT**

DESIGN	<i>AS</i>	<b>DART AEROSPACE USA, INC.</b> PORT HADLOCK, WA	
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CHECKED	<i>PH</i>	DRAWING NO. <b>DSI 9457</b>	REV. A SHEET 2 OF 4
MFG. APPR.	N/A		
APPROVED	<i>MO</i>	TITLE <b>CABLE GUARD KITS</b>	SCALE NTS
DE APPR.	<i>MM</i>		
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**FIGURE 2: D350-636-107A FWD CABLE GUARD KIT**  
ATTACH BOLTS NOT SHOWN FOR CLARITY

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MFG. APPR.	N/A	DSI 9457	SHEET 3 OF 4
APPROVED	<i>MO</i>	TITLE	SCALE
DE APPR.	<i>MM</i>	CABLE GUARD KITS	NTS
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**FIGURE 3: D350-636-107B AFT CABLE GUARD KIT**

NOTE:  
IT IS NECESSARY TO REMOVE THE D3927-3 CABLE GUARD IN ORDER TO MOVE  
THE AIRCRAFT ON THE GROUND USING THE GROUND HANDLING LUGS

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MFG. APPR.	N/A	DSI 9457	SHEET 4 OF 4
APPROVED	<i>MO</i>	TITLE	SCALE
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